

## Abstract

Method and apparatus for detecting multiuser behavior on the aerial interface in GPRS and EGPRS mobile radio systems, wherein during a transmission of subscriber data on the aerial interface, additional information contained in the subscriber data are acquired and evaluated by a device on the network side and/or the subscriber side, both in the uplink and the downlink. The number of parallel subscribers on used time slots can be identifies on the basis of the additional information located in the radio control blocks.